Subject Index

Acoustic measurement

Regional Method to Assess Offshore Slope Stability, Homa J. Lee and Brian D. Edwards, GT May 86 p489-509.

Active earth pressure

Static Earth Pressures With Various Wall Movements, Yung-Show Fang and Isao Ishibashi, GT Mar. 86 p317-333.

Analytical techniques

FE Analyses: Compaction-Induced Stresses and Deformations, Raymond B. Seed and James M. Duncan, GT Jan. 86 p23-43.

A Transitional Yielding Model for Clay, Sunirmal Banerjee and Yii-Wen Pan, GT Feb. 86 p170-186.

Anchors

Interaction Analysis of Anchor-Soil Systems, C. S. Desai, A. Muqtadir and F. Scheele, GT May 86 p537-553.

Soil Anchors and Constitutive Laws, Swami Saran, Gopal Ranjan and A. S. Nene, GT Dec. 86 p1084-1100.

Anisotropy

Stress Distribution in Anisotropic Compliance of a Jointed Rock, Brian A. Chappell, GT July 86 p682-700.

Anistropic soils

Creep of Anistropic Clay: Microplane Model, Zdenek P. Bazant and Jin-Keun Kim, GT Apr. 86 p458-475.

Arching

Soil Arching in Sandy Slopes, Peter J. Bosscher and Donald H. Gray, GT June 86 p626-645.

Static Earth Pressures With Various Wall Movements, Yung-Show Fang and Isao Ishibashi, GT Mar. 86 p317-333.

Avalanches

Computer Modeling of Large Rock Slides, J. D. Trunk, J. D. Dent and T. E. Lang, GT Mar. 86 p348-360.

Backfills

Long-Term Behavior of Buried Large-Span Culverts, Michael McVay and Panayiotis Papadopoulos, GT Apr. 86 p424-442.

Rigid Culvert Finite Element Analyses, Paul N. Roschke and Raymond E. Davis, GT Aug. 86 p749-767.

Static Earth Pressures With Various Wall Movements, Yung-Show Fang and Isao Ishibashi, GT Mar. 86 p317-333.

Barriers

Analyzing Permanent Drift Due to Cyclic Loads, George Bouckovalas, W. Allen Marr, Jr. and John T. Christian, GT June 86 p579-593.

Bayesian analysis

Statistical Model of Boulder Size and Fraction, Wilson Tang and Ser Tong Quek, GT Jan. 86 p79-90.

Bearing capacity

Bearing Capacity of Bored Cast-in-Place Concrete Piles on Oil Sand, Hari D. Sharma, M. C. Harris, J.D. Scott and K.W. McAllister, GT Dec. 86 p1101-1116.

Bearing Capacity Tests on Reinforced Sand Subgrades, B. P. Verma and A. N. R. Char, GT July 86 p701-706.

Blast effects

Undrained Compression Behavior of Sand, Richard J. Fragaszy and Michael E. Voss, GT Mar. 86 p334-347.

Blasting

A Laboratory Study of Blast Densification of Saturated Sand, Charles H. Dowding and Roman D. Hryciw, GT Feb. 86 p187-199.

Bored piles

Bearing Capacity of Bored Cast-in-Place Concrete Piles on Oil Sand, Hari D. Sharma, M. C. Harris, J.D. Scott and K.W. McAllister, GT Dec. 86 p1101-1116.

Boulders

Statistical Model of Boulder Size and Fraction, Wilson Tang and Ser Tong Quek, GT Jan. 86 p79-90.

Canyons

Computer Modeling of Large Rock Slides, J. D. Trunk, J. D. Dent and T. E. Lang, GT Mar. 86 p348-360.

Cast-in-place piles

Bearing Capacity of Bored Cast-in-Place Concrete Piles on Oil Sand, Hari D. Sharma, M. C. Harris, J.D. Scott and K.W. McAllister, GT Dec. 86 p1101-1116.

Centrifuge model

Long-Term Behavior of Buried Large-Span Culverts, Michael McVay and Panayiotis Papadopoulos, GT Apr. 86 p424-442.

Clays

Consolidation After Undrained Piezocone Penetration I: Prediction, Jacques-Noel Levadoux and Mohsen M. Baligh, GT July 86 p707-726.

Consolidation After Undrained Piezocone Penetration II: Interpretation, Mohsen M. Baligh and Jacques-Noel Levadoux, GT July 86 p727-745.

Creep of Anistropic Clay: Microplane Model, Zdenek P. Bazant and Jin-Keun Kim, GT Apr. 86 p458-475.

Lessons from Oedometer Tests on High Quality Samples, R. D. Holtz, M. B. Jamiolkowski and R. Lancellotta, GT Aug. 86 p768-76.

Permeation of Compacted Clay with Organic Chemicals, David E. Foreman and David E. Daniel, GT July 86 p669-681.

Self-Boring Pressuremeter Tests in Soft Clay, Jean Benoit and G. Wayne Clough, GT Jan. 86 p60-78.

Shaft Behavior of a Model Pile in Plastic Empire Clays, Amr S. Azzouz and David G. Lutz, GT Apr. 86 p389-406.

Study of Two Field Cases Involving Undrained Creep, Peter G. Redmand and Harry G. Poulos, GT Sept. 84 p1307-1321.

A Transitional Yielding Model for Clay, Sunirmal Banerjee and Yii-Wen Pan, GT Feb. 86 p170-186.

Uncertainty About p-y Curves for Piles in Soft Clays, Sonia E. Ruiz, GT June 86 p594-607.

Cohesionless soils

Passive Pressure During Seismic Loading, Trevor G. Davies, Rowland Richards, Jr. and Kuang-Hsiang Chen, GT Apr. 86 p479-483.

Permanent Strains from Cyclic Variable-Amplitude Loadings, Harry E. Stewart, GT June 86 p646-660.

Cohesive soils

Strain Field Around Cones in Steady Penetration, Yalcin B. Acar and Mehmet T. Tumay, GT Feb. 86 p207-213.

Compacted soils

Permeation of Compacted Clay with Organic Chemicals, David E. Foreman and David E. Daniel, GT July 86 p669-681.

Compaction

Compaction-Induced Earth Pressures Under K_o-Conditions, James M. Duncan and Raymond B. Seed, GT Jan. 86 p1-22.

Dynamic Compaction in Friable Loess, Alan J. Lutenegger, GT June 86 p663-667.

Earth Dam Construction by Dolomite Filled Into Water, Abdul Rehman Kh. Salem, GT May 86 p510-521.

FE Analyses: Compaction-Induced Stresses and Deformations, Raymond B. Seed and James M. Duncan, GT Jan. 86 p23-43.

Ground Improvement by Compaction Piling, Zoltan V. Solymar, Samsudin, John Osellame and Basuki Joko Purnomo, GT Dec. 86 p1069-1083.

Relationship Between Compacted Rockfill Density and Gradation, Gordon M. Matheson, GT Dec. 86 p1119-1124.

Comparative studies

Field Correlation of Cone and Standard Penetration Tests, Adel Kasim, Ming-Yau Chu and Curtis N. Jensen, GT Mar. 86 p368-372.

Computer models

Computer Modeling of Large Rock Slides, J. D. Trunk, J. D. Dent and T. E. Lang, GT Mar. 86 p348-360.

Concrete

Progress in Rockfill Dams, J. Barry Cooke, GT Oct. 84 p1381-1414.

Concrete piles

Bearing Capacity of Bored Cast-in-Place Concrete Piles on Oil Sand, Hari D. Sharma, M. C. Harris, J.D. Scott and K.W. McAllister, GT Dec. 86 p1101-1116.

Conduits

Effect of Soil Failure on Soil–Steel Structures, A. K. Dessouki and G. R. Monforton, GT May 86 p522-536.

Cone penetration

Consolidation After Undrained Piezocone Penetration I: Prediction, Jacques-Noel Levadoux and Mohsen M. Baligh, GT July 86 p707-726.

Consolidation After Undrained Piezocone Penetration II: Interpretation, Mohsen M. Baligh and Jacques-Noel Levadoux, GT July 86 p727-745.

Strain Field Around Cones in Steady Penetration, Yalcin B. Acar and Mehmet T. Tumay, GT Feb. 86 p207-213.

Cone penetration tests

Field Correlation of Cone and Standard Penetration Tests, Adel Kasim, Ming-Yau Chu and Curtis N. Jensen, GT Mar. 86 p368-372.

Consolidation

Long-Term Behavior of Buried Large-Span Culverts, Michael McVay and Panayiotis Papadopoulos, GT Apr. 86 p424-442.

Consolidation, soils

Consolidation After Undrained Piezocone Penetration I: Prediction, Jacques-Noel Levadoux and Mohsen M. Baligh, GT July 86 p707-726.

Consolidation After Undrained Piezocone Penetration II: Interpretation, Mohsen M. Baligh and Jacques-Noel Levadoux, GT July 86 p727-745.

Multidimensional Probabilistic Consolidation, Daekyoo Hwang and M. W. Witczak, GT Aug. 84 p1059-1078.

Piston Core Properties and Disturbance Effects, Harold W. Olsen, Thomas L. Rice, Paul W. Mayne and Ram D. Singh, GT June 86 p608-625.

Constitutive models

Soil Anchors and Constitutive Laws, Swami Saran, Gopal Ranjan and A. S. Nene, GT Dec. 86 p1084-1100.

A Transitional Yielding Model for Clay, Sunirmal Banerjee and Yii-Wen Pan, GT Feb. 86 p170-186.

Construction equipment

Stochastic Model for Productivity Estimating, Emmanuel K. Manatakis, GT May 86 p554-563.

Construction methods

Ground Improvement by Compaction Piling, Zoltan V. Solymar, Samsudin, John Osellame and Basuki Joko Purnomo, GT Dec. 86 p1069-1083.

Convergence

Stability Study of CRREL Permafrost Tunnel, Scott Lin Huang, Nolan B. Aughenbaugh and Ming-Chee Wu, GT Aug. 86 p777-790.

Creep

Creep of Anistropic Clay: Microplane Model, Zdenek P. Bazant and Jin-Keun Kim, GT Apr. 86 p458-475.

Study of Two Field Cases Involving Undrained Creep, Peter G. Redmand and Harry G. Poulos, GT Sept. 84 p1307-1321.

Culverts

Effect of Soil Failure on Soil–Steel Structures, A. K. Dessouki and G. R. Monforton, GT May 86 p522-536.

Long-Term Behavior of Buried Large-Span Culverts, Michael McVay and Panayiotis Papadopoulos, GT Apr. 86 p424-442.

Rigid Culvert Finite Element Analyses, Paul N. Roschke and Raymond E. Davis, GT Aug. 86 p749-767.

Cyclic loads

Analyzing Permanent Drift Due to Cyclic Loads, George Bouckovalas, W. Allen Marr, Jr. and John T. Christian, GT June 86 p579-593.

Dam construction

Earth Dam Construction by Dolomite Filled Into Water, Abdul Rehman Kh. Salem, GT May 86 p510-521.

Progress in Rockfill Dams, J. Barry Cooke, GT Oct. 84 p1381-1414.

Dam cores

Earth Dam Construction by Dolomite Filled Into Water, Abdul Rehman Kh. Salem, GT May 86 p510-521.

Dam design

Progress in Rockfill Dams, J. Barry Cooke, GT Oct. 84 p1381-1414.

Dam failure

Slide in Upstream Slope of Lake Shelbyville Dam, D. N. Humphrey and G. A. Leonards, GT May 86 p564-577.

Damping

Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, Ricardo Dobry, George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86 p136-154.

Dynamic Response of Arbitrarily Shaped Foundations, Ricardo Dobry and George Gazetas, GT Feb. 86 p109-135.

Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, Ricardo Dobry, George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86 p136-154.

Vertical Vibration of Tapered Piles, Sudhendu Saha and D. P. Ghosh, GT Mar. 86 p290-302.

Dams, earth

Earth Dam Construction by Dolomite Filled Into Water, Abdul Rehman Kh. Salem, GT May 86 p510-521.

Slide in Upstream Slope of Lake Shelbyville Dam, D. N. Humphrey and G. A. Leonards, GT May 86 p564-577.

Unsteady State Phreatic Surface in Earth Dams, Yang H. Huang, GT Jan. 86 p93-98.

Dams, rockfill

Progress in Rockfill Dams, J. Barry Cooke, GT Oct. 84 p1381-1414.

Deflection

Effect of Soil Failure on Soil–Steel Structures, A. K. Dessouki and G. R. Monforton, GT May 86 p522-536.

Densification

Ground Improvement by Compaction Piling, Zoltan V. Solymar, Samsudin, John Osellame and Basuki Joko Purnomo, GT Dec. 86 p1069-1083.

A Laboratory Study of Blast Densification of Saturated Sand, Charles H. Dowding and Roman D. Hryciw, GT Feb. 86 p187-199.

Density

Relationship Between Compacted Rockfill Density and Gradation, Gordon M. Matheson, GT Dec. 86 p1119-1124.

Displacements

Analyzing Permanent Drift Due to Cyclic Loads, George Bouckovalas, W. Allen Marr, Jr. and John T. Christian, GT June 86 p579-593.

Earthquake Induced Displacements of Sliding Blocks, Jeen-Shang Lin and Robert V. Whitman, GT Jan. 86 p44-59.

Dolomite

Earth Dam Construction by Dolomite Filled Into Water, Abdul Rehman Kh. Salem, GT May 86 p510-521.

Dynamic loads

Measured Lateral Response of Mass on Single Pile in Clay, Geoffrey W. Blaney and Michael W. O'Neill, GT Apr. 86 p443-457.

Passive Pressure During Seismic Loading, Trevor G. Davies, Rowland Richards, Jr. and Kuang-Hsiang Chen, GT Apr. 86 p479-483.

Dynamic response

Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, Ricardo Dobry, George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86 p136-154.

Dynamic Response of Arbitrarily Shaped Foundations, Ricardo Dobry and George Gazetas, GT Feb. 86 p109-135.

Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, Ricardo Dobry, George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86 p136-154.

Dynamic tests

Measured Lateral Response of Mass on Single Pile in Clay, Geoffrey W. Blaney and Michael W. O'Neill, GT Apr. 86 p443-457.

Earth pressure

Compaction-Induced Earth Pressures Under K_o-Conditions, James M. Duncan and Raymond B. Seed, GT Jan. 86 p1-22.

FE Analyses: Compaction-Induced Stresses and Deformations, Raymond B. Seed and James M. Duncan, GT Jan. 86 p23-43.

Earthquake excitation

Linearized Liquefaction Process by Kalman Filter, Masaru Hoshiya and Etsuro Saito, GT Feb. 86 p155-169.

Earthquakes

Regional Method to Assess Offshore Slope Stability, Homa J. Lee and Brian D. Edwards, GT May 86 p489-509.

Embankments

Progress in Rockfill Dams, J. Barry Cooke, GT Oct. 84 p1381-1414.

Study of Two Field Cases Involving Undrained Creep, Peter G. Redmand and Harry G. Poulos, GT Sept. 84 p1307-1321.

Fabric

Behavior of Fabric-vs. Fiber, Donald H. Gray and Talal Al-Refeai, GT Aug. 86 p804-820.

Fiber reinforced materials

Soil Randomly Reinforced With Fibers, Dean R. Freitag, GT Aug. 86 p823-826.

Fibers

Behavior of Fabric-vs. Fiber, Donald H. Gray and Talal Al-Refeai, GT Aug. 86 p804-820.

Field tests

Bearing Capacity of Bored Cast-in-Place Concrete Piles on Oil Sand, Hari D. Sharma, M. C. Harris, J.D. Scott and K.W. McAllister, GT Dec. 86 p1101-1116.

Dynamic Compaction in Friable Loess, Alan J. Lutenegger, GT June 86 p663-667.

Field Correlation of Cone and Standard Penetration Tests, Adel Kasim, Ming-Yau Chu and Curtis N. Jensen, GT Mar. 86 p368-372.

Finegrained soils

Soil Randomly Reinforced With Fibers, Dean R. Freitag, GT Aug. 86 p823-826.

Finite element method

FE Analyses: Compaction-Induced Stresses and Deformations, Raymond B. Seed and James M. Duncan, GT Jan. 86 p23-43.

Interaction Analysis of Anchor-Soil Systems, C. S. Desai, A. Muqtadir and F. Scheele, GT May 86 p537-553.

Rigid Culvert Finite Element Analyses, Paul N. Roschke and Raymond E. Davis, GT Aug. 86 p749-767.

Footings

Bearing Capacity Tests on Reinforced Sand Subgrades, B. P. Verma and A. N. R. Char, GT July 86 p701-706.

Foundations

Ground Improvement by Compaction Piling, Zoltan V. Solymar, Samsudin, John Osellame and Basuki Joko Purnomo, GT Dec. 86 p1069-1083.

Study of Two Field Cases Involving Undrained Creep, Peter G. Redmand and Harry G. Poulos, GT Sept. 84 p1307-1321.

Friction piles

Shaft Behavior of a Model Pile in Plastic Empire Clays, Amr S. Azzouz and David G. Lutz, GT Apr. 86 p389-406.

Geotextiles

Behavior of Fabric-vs. Fiber, Donald H. Gray and Talal Al-Refeai, GT Aug. 86 p804-820.

Ground motion

Earthquake Induced Displacements of Sliding Blocks, Jeen-Shang Lin and Robert V. Whitman, GT Jan. 86 p44-59.

Groundwater

Predicting Ground-water Response to Precipitation, Dwight A. Sangrey, Kingsley O. Harrop-Williams and Jeffrey A. Klaiber, GT July 84 p957-975.

Half space

Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, Ricardo Dobry, George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86 p136-154.

Dynamic Response of Arbitrarily Shaped Foundations, Ricardo Dobry and George Gazetas, GT Feb. 86 p109-135.

Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, Ricardo Dobry, George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86 p136-154.

Hydraulic conductivity

Permeation of Compacted Clay with Organic Chemicals, David E. Foreman and David E. Daniel, GT July 86 p669-681.

Impedance

Impedances of a Soil Layer with Disturbed Boundary Zone, Anestis S. Veletsos and Kirk W. Dotson, GT Mar. 86 p363-368.

In situ tests

Consolidation After Undrained Piezocone Penetration II: Interpretation, Mohsen M. Baligh and Jacques-Noel Levadoux, GT July 86 p727-745.

Role of Load Tests in Friction Pile Design, Amr S. Azzouz, GT Apr. 86 p407-423.

Seismic CPT To Measure In Situ Shear Wave Velocity, P. K. Robertson, R. G. Campanella, D. Gillespie and A. Rice, GT Aug. 86 p791-803.

Shaft Behavior of a Model Pile in Plastic Empire Clays, Amr S. Azzouz and David G. Lutz, GT Apr. 86 p389-406.

Interactions

Interaction Analysis of Anchor-Soil Systems, C. S. Desai, A. Muqtadir and F. Scheele, GT May 86 p537-553.

Stochastic Model for Productivity Estimating, Emmanuel K. Manatakis, GT May 86 p554-563.

Kalman filter

Linearized Liquefaction Process by Kalman Filter, Masaru Hoshiya and Etsuro Saito, GT Feb. 86 p155-169.

Laboratory tests

Consolidation After Undrained Piezocone Penetration II: Interpretation, Mohsen M. Baligh and Jacques-Noel Levadoux, GT July 86 p727-745.

A Laboratory Study of Blast Densification of Saturated Sand, Charles H. Dowding and Roman D. Hryciw, GT Feb. 86 p187-199.

New Procedure for Saturating Sand Specimens, Nader S. Rad and G. Wayne Clough, GT Sept. 84 p1205-1218.

Regional Method to Assess Offshore Slope Stability, Homa J. Lee and Brian D. Edwards, GT May 86 p489-509.

Undrained Compression Behavior of Sand, Richard J. Fragaszy and Michael E. Voss, GT Mar. 86 p334-347.

Lateral loads

Measured Lateral Response of Mass on Single Pile in Clay, Geoffrey W. Blaney and Michael W. O'Neill, GT Apr. 86 p443-457.

Lateral pressure

Compaction-Induced Earth Pressures Under K_o-Conditions, James M. Duncan and Raymond B. Seed, GT Jan. 86 p1-22.

Linear analysis

Consolidation After Undrained Piezocone Penetration I: Prediction, Jacques-Noel Levadoux and Mohsen M. Baligh, GT July 86 p707-726.

Liquefaction

Linearized Liquefaction Process by Kalman Filter, Masaru Hoshiya and Etsuro Saito, GT Feb. 86 p155-169.

Undrained Compression Behavior of Sand, Richard J. Fragaszy and Michael E. Voss, GT Mar. 86 p334-347.

Load bearing capacity

Effect of Soil Failure on Soil–Steel Structures, A. K. Dessouki and G. R. Monforton, GT May 86 p522-536.

Loess

Dynamic Compaction in Friable Loess, Alan J. Lutenegger, GT June 86 p663-667.

Machine foundations

Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, Ricardo Dobry, George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86 p136-154.

Dynamic Response of Arbitrarily Shaped Foundations, Ricardo Dobry and George Gazetas, GT Feb. 86 p109-135.

Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, Ricardo Dobry, George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86 p136-154.

Model tests

Static Earth Pressures With Various Wall Movements, Yung-Show Fang and Isao Ishibashi, GT Mar. 86 p317-333.

Numerical models

Linearized Liquefaction Process by Kalman Filter, Masaru Hoshiya and Etsuro Saito, GT Feb. 86 p155-169.

Multidimensional Probabilistic Consolidation, Daekyoo Hwang and M. W. Witczak, GT Aug. 84 p1059-1078.

Ocean engineering

Piston Core Properties and Disturbance Effects, Harold W. Olsen, Thomas L. Rice, Paul W. Mayne and Ram D. Singh, GT June 86 p608-625.

Oedometers

Lessons from Oedometer Tests on High Quality Samples, R. D. Holtz, M. B. Jamiolkowski and R. Lancellotta, GT Aug. 86 p768-76.

Offshore engineering

Regional Method to Assess Offshore Slope Stability, Homa J. Lee and Brian D. Edwards, GT May 86 p489-509.

Offshore structures

Analyzing Permanent Drift Due to Cyclic Loads, George Bouckovalas, W. Allen Marr, Jr. and John T. Christian, GT June 86 p579-593.

Oil sand

Bearing Capacity of Bored Cast-in-Place Concrete Piles on Oil Sand, Hari D. Sharma, M. C. Harris, J.D. Scott and K.W. McAllister, GT Dec. 86 p1101-1116.

Organic chemicals

Permeation of Compacted Clay with Organic Chemicals, David E. Foreman and David E. Daniel, GT July 86 p669-681.

Overburden

Overburden Correction Factors for SPT in Sand, Samson Liao and Robert V. Whitman, GT Mar. 86 p373-377.

Stability Study of CRREL Permafrost Tunnel, Scott Lin Huang, Nolan B. Aughenbaugh and Ming-Chee Wu, GT Aug. 86 p777-790.

Overconsolidated clays

A Transitional Yielding Model for Clay, Sunirmal Banerjee and Yii-Wen Pan, GT Feb. 86 p170-186.

Overconsolidated soils

Prediction of Compressibility of Overconsolidated Uncemented Soils, T. S. Nagaraj and B. R. Srinivasa Murthy, GT Apr. 86 p484-488.

Overconsolidation

Piston Core Properties and Disturbance Effects, Harold W. Olsen, Thomas L. Rice, Paul W. Mayne and Ram D. Singh, GT June 86 p608-625.

Particle size

Relationship Between Compacted Rockfill Density and Gradation, Gordon M. Matheson, GT Dec. 86 p1119-1124.

Passive earth pressure

Passive Pressure During Seismic Loading, Trevor G. Davies, Rowland Richards, Jr. and Kuang-Hsiang Chen, GT Apr. 86 p479-483.

Permafrost

Stability Study of CRREL Permafrost Tunnel, Scott Lin Huang, Nolan B. Aughenbaugh and Ming-Chee Wu, GT Aug. 86 p777-790.

Permeability

Permeation of Compacted Clay with Organic Chemicals, David E. Foreman and David E. Daniel, GT July 86 p669-681.

Pile lateral loads

Uncertainty About p-y Curves for Piles in Soft Clays, Sonia E. Ruiz, GT June 86 p594-607.

Pile load tests

Bearing Capacity of Bored Cast-in-Place Concrete Piles on Oil Sand, Hari D. Sharma, M. C. Harris, J.D. Scott and K.W. McAllister, GT Dec. 86 p1101-1116.

Measured Lateral Response of Mass on Single Pile in Clay, Geoffrey W. Blaney and Michael W. O'Neill, GT Apr. 86 p443-457.

Role of Load Tests in Friction Pile Design, Amr S. Azzouz, GT Apr. 86 p407-423.

Shaft Behavior of a Model Pile in Plastic Empire Clays, Amr S. Azzouz and David G. Lutz, GT Apr. 86 p389-406.

Piles

Ground Improvement by Compaction Piling, Zoltan V. Solymar, Samsudin, John Osellame and Basuki Joko Purnomo, GT Dec. 86 p1069-1083.

Soil Arching in Sandy Slopes, Peter J. Bosscher and Donald H. Gray, GT June 86 p626-645.

Uncertainty About p-y Curves for Piles in Soft Clays, Sonia E. Ruiz, GT June 86 p594-607.

Vertical Vibration of Tapered Piles, Sudhendu Saha and D. P. Ghosh, GT Mar. 86 p290-302.

Plates

Soil Anchors and Constitutive Laws, Swami Saran, Gopal Ranjan and A. S. Nene, GT Dec. 86 p1084-1100.

Pore pressure

Analyzing Permanent Drift Due to Cyclic Loads, George Bouckovalas, W. Allen Marr, Jr. and John T. Christian, GT June 86 p579-593.

Pore water pressure

Linearized Liquefaction Process by Kalman Filter, Masaru Hoshiya and Etsuro Saito, GT Feb. 86 p155-169.

Slide in Upstream Slope of Lake Shelbyville Dam, D. N. Humphrey and G. A. Leonards, GT May 86 p564-577.

Undrained Compression Behavior of Sand, Richard J. Fragaszy and Michael E. Voss, GT Mar. 86 p334-347.

Precipitation

Predicting Ground-water Response to Precipitation, Dwight A. Sangrey, Kingsley O. Harrop-Williams and Jeffrey A. Kleiber, GT July 84 p957-975.

Preconsolidation pressure

Lessons from Oedometer Tests on High Quality Samples, R. D. Holtz, M. B. Jamiolkowski and R. Lancellotta, GT Aug. 86 p768-76.

Prediction of Compressibility of Overconsolidated Uncemented Soils, T. S. Nagaraj and B. R. Srinivasa Murthy, GT Apr. 86 p484-488.

Pressure distribution

Static Earth Pressures With Various Wall Movements, Yung-Show Fang and Isao Ishibashi, GT Mar. 86 p317-333.

Pressuremeters

Self-Boring Pressuremeter Tests in Soft Clay, Jean Benoit and G. Wayne Clough, GT Jan. 86 p60-78.

Probabilistic methods

Multidimensional Probabilistic Consolidation, Daekyoo Hwang and M. W. Witczak, GT Aug. 84 p1059-1078.

Probability distribution

Earthquake Induced Displacements of Sliding Blocks, Jeen-Shang Lin and Robert V. Whitman, GT Jan. 86 p44-59.

Probability theory

Uncertainty About p-y Curves for Piles in Soft Clays, Sonia E. Ruiz, GT June 86 p594-607.

Productivity

Stochastic Model for Productivity Estimating, Emmanuel K. Manatakis, GT May 86 p554-563.

Railroad ballast

Permanent Strains from Cyclic Variable-Amplitude Loadings, Harry E. Stewart, GT June 86 p646-660.

Reinforcement

Behavior of Fabric-vs. Fiber, Donald H. Gray and Talal Al-Refeai, GT Aug. 86 p804-820.

Reinforcements

Bearing Capacity Tests on Reinforced Sand Subgrades, B. P. Verma and A. N. R. Char, GT July 86 p701-706.

Repeated loading

Permanent Strains from Cyclic Variable-Amplitude Loadings, Harry E. Stewart, GT June 86 p646-660.

Retaining walls

Passive Pressure During Seismic Loading, Trevor G. Davies, Rowland Richards, Jr. and Kuang-Hsiang Chen, GT Apr. 86 p479-483.

Soil Arching in Sandy Slopes, Peter J. Bosscher and Donald H. Gray, GT June 86 p626-645.

Static Earth Pressures With Various Wall Movements, Yung-Show Fang and Isao Ishibashi, GT Mar. 86 p317-333.

Rock fills

Relationship Between Compacted Rockfill Density and Gradation, Gordon M. Matheson, GT Dec. 86 p1119-1124.

Rock joints

Stress Distribution in Anisotropic Compliance of a Jointed Rock, Brian A. Chappell, GT July 86 p682-700.

Rock masses

Determination of the Shear Failure Envelope in Rock Masses, Roberto Ucar, GT Mar. 86 p303-315.

Stress Distribution in Anisotropic Compliance of a Jointed Rock, Brian A. Chappell, GT July 86 p682-700.

Rock strength

Determination of the Shear Failure Envelope in Rock Masses, Roberto Ucar, GT Mar. 86 p303-315.

Rockslides

Computer Modeling of Large Rock Slides, J. D. Trunk, J. D. Dent and T. E. Lang, GT Mar. 86 p348-360.

Root span

Stability Study of CRREL Permafrost Tunnel, Scott Lin Huang, Nolan B. Aughenbaugh and Ming-Chee Wu, GT Aug. 86 p777-790.

Rotation

Static Earth Pressures With Various Wall Movements, Yung-Show Fang and Isao Ishibashi, GT Mar. 86 p317-333.

Sample distrubance

Lessons from Oedometer Tests on High Quality Samples, R. D. Holtz, M. B. Jamiolkowski and R. Lancellotta, GT Aug. 86 p768-76.

Sample disturbance

Piston Core Properties and Disturbance Effects, Harold W. Olsen, Thomas L. Rice, Paul W. Mayne and Ram D. Singh, GT June 86 p608-625.

Self-Boring Pressuremeter Tests in Soft Clay, Jean Benoit and G. Wayne Clough, GT Jan. 86 p60-78.

Sampling

Regional Method to Assess Offshore Slope Stability, Homa J. Lee and Brian D. Edwards, GT May 86 p489-509.

Statistical Model of Boulder Size and Fraction, Wilson Tang and Ser Tong Quek, GT Jan. 86 p79-90.

Sand

Analyzing Permanent Drift Due to Cyclic Loads, George Bouckovalas, W. Allen Marr, Jr. and John T. Christian, GT June 86 p579-593.

Bearing Capacity Tests on Reinforced Sand Subgrades, B. P. Verma and A. N. R. Char, GT July 86 p701-706.

Behavior of Fabric-vs. Fiber, Donald H. Gray and Talal Al-Refeai, GT Aug. 86 p804-820.

Interaction Analysis of Anchor-Soil Systems, C. S. Desai, A. Muqtadir and F. Scheele, GT May 86 p537-553.

A Laboratory Study of Blast Densification of Saturated Sand, Charles H. Dowding and Roman D. Hryciw, GT Feb. 86 p187-199.

Linearized Liquefaction Process by Kalman Filter, Masaru Hoshiya and Etsuro Saito, GT Feb. 86 p155-169.

New Procedure for Saturating Sand Specimens, Nader S. Rad and G. Wayne Clough, GT Sept. 84 p1205-1218.

Overburden Correction Factors for SPT in Sand, Samson Liao and Robert V. Whitman, GT Mar. 86 p373-377.

Soil Arching in Sandy Slopes, Peter J. Bosscher and Donald H. Gray, GT June 86 p626-645.

Static Earth Pressures With Various Wall Movements, Yung-Show Fang and Isao Ishibashi, GT Mar. 86 p317-333.

Undrained Compression Behavior of Sand, Richard J. Fragaszy and Michael E. Voss, GT Mar. 86 p334-347.

Saturation

New Procedure for Saturating Sand Specimens, Nader S. Rad and G. Wayne Clough, GT Sept. 84 p1205-1218.

Unsteady State Phreatic Surface in Earth Dams, Yang H. Huang, GT Jan. 86 p93-98.

Sediment

Piston Core Properties and Disturbance Effects, Harold W. Olsen, Thomas L. Rice, Paul W. Mayne and Ram D. Singh, GT June 86 p608-625.

Seepage

Unsteady State Phreatic Surface in Earth Dams, Yang H. Huang, GT Jan. 86 p93-98.

Seismic cone penetration tests

Seismic CPT To Measure In Situ Shear Wave Velocity, P. K. Robertson, R. G. Campanella, D. Gillespie and A. Rice, GT Aug. 86 p791-803.

Shear failure

Determination of the Shear Failure Envelope in Rock Masses, Roberto Ucar, GT Mar. 86 p303-315.

Shear strength

Behavior of Fabric-vs. Fiber, Donald H. Gray and Talal Al-Refeai, GT Aug. 86 p804-820.

Determination of the Shear Failure Envelope in Rock Masses, Roberto Ucar, GT Mar. 86 p303-315.

Slide in Upstream Slope of Lake Shelbyville Dam, D. N. Humphrey and G. A. Leonards, GT May 86 p564-577.

Shear waves

Seismic CPT To Measure In Situ Shear Wave Velocity, P. K. Robertson, R. G. Campanella, D. Gillespie and A. Rice, GT Aug. 86 p791-803.

Size

Statistical Model of Boulder Size and Fraction, Wilson Tang and Ser Tong Quek, GT Jan. 86 p79-90.

Slope stability

Determination of the Shear Failure Envelope in Rock Masses, Roberto Ucar, GT Mar. 86 p303-315.

Regional Method to Assess Offshore Slope Stability, Homa J. Lee and Brian D. Edwards, GT May 86 p489-509.

Slide in Upstream Slope of Lake Shelbyville Dam, D. N. Humphrey and G. A. Leonards, GT May 86 p564-577.

Soil Arching in Sandy Slopes, Peter J. Bosscher and Donald H. Gray, GT June 86 p626-645.

Soft soils

Self-Boring Pressuremeter Tests in Soft Clay, Jean Benoit and G. Wayne Clough, GT Jan. 86 p60-78.

Soil analysis

Practical Problems from Surprising Soil Behavior, James K. Mitchell, GT Mar. 86 p255-289.

Soil compaction

Soil Randomly Reinforced With Fibers, Dean R. Freitag, GT Aug. 86 p823-826.

Soil compressibility

Prediction of Compressibility of Overconsolidated Uncemented Soils, T. S. Nagaraj and B. R. Srinivasa Murthy, GT Apr. 86 p484-488.

Soil layers

Impedances of a Soil Layer with Disturbed Boundary Zone, Anestis S. Veletsos and Kirk W. Dotson, GT Mar. 86 p363-368.

Soil mechanics

Practical Problems from Surprising Soil Behavior, James K. Mitchell, GT Mar. 86 p255-289.

Study of Two Field Cases Involving Undrained Creep, Peter G. Redmand and Harry G. Poulos, GT Sept. 84 p1307-1321.

Soil permeability

Consolidation After Undrained Piezocone Penetration I: Prediction, Jacques-Noel Levadoux and Mohsen M. Baligh, GT July 86 p707-726.

Consolidation After Undrained Piezocone Penetration II: Interpretation, Mohsen M. Baligh and Jacques-Noel Levadoux, GT July 86 p727-745.

Soil properties

Lessons from Oedometer Tests on High Quality Samples, R. D. Holtz, M. B. Jamiolkowski and R. Lancellotta, GT Aug. 86 p768-76.

Stochastic Model for Productivity Estimating, Emmanuel K. Manatakis, GT May 86 p554-563.

Soil sampling

Piston Core Properties and Disturbance Effects, Harold W. Olsen, Thomas L. Rice, Paul W. Mayne and Ram D. Singh, GT June 86 p608-625.

Soil settlement

Pattern of Volume Change Development, Kanakapura S. Subba Rao and Gifferd C. Satyadas, GT Feb. 86 p203-207.

Soil, shear strength

Piston Core Properties and Disturbance Effects, Harold W. Olsen, Thomas L. Rice, Paul W. Mayne and Ram D. Singh, GT June 86 p608-625.

Soil shrinkage

Pattern of Volume Change Development, Kanakapura S. Subba Rao and Gifferd C. Satyadas, GT Feb. 86 p203-207.

Soil stabilization

Soil Randomly Reinforced With Fibers, Dean R. Freitag, GT Aug. 86 p823-826.

Soil swelling

Pattern of Volume Change Development, Kanakapura S. Subba Rao and Gifferd C. Satyadas, GT Feb. 86 p203-207.

Soil tests

Practical Problems from Surprising Soil Behavior, James K. Mitchell, GT Mar. 86 p255-289.

Soil-pipe interaction

Rigid Culvert Finite Element Analyses, Paul N. Roschke and Raymond E. Davis, GT Aug. 86 p749-767.

Soil-structure interaction

Compaction-Induced Earth Pressures Under K_o-Conditions, James M. Duncan and Raymond B. Seed, GT Jan. 86 p1-22.

FE Analyses: Compaction-Induced Stresses and Deformations, Raymond B. Seed and James M. Duncan, GT Jan. 86 p23-43.

Long-Term Behavior of Buried Large-Span Culverts, Michael McVay and Panayiotis Papadopoulos, GT Apr. 86 p424-442.

Stability analysis

Slide in Upstream Slope of Lake Shelbyville Dam, D. N. Humphrey and G. A. Leonards, GT May 86 p564-577.

Unsteady State Phreatic Surface in Earth Dams, Yang H. Huang, GT Jan. 86 p93-98.

Standard penetration tests

Field Correlation of Cone and Standard Penetration Tests, Adel Kasim, Ming-Yau Chu and Curtis N. Jensen, GT Mar. 86 p368-372.

Overburden Correction Factors for SPT in Sand, Samson Liao and Robert V. Whitman, GT Mar. 86 p373-377.

State-of-the-art reviews

Progress in Rockfill Dams, J. Barry Cooke, GT Oct. 84 p1381-1414.

Statistical analysis

Uncertainty About *p-y* Curves for Piles in Soft Clays, Sonia E. Ruiz, GT June 86 p594-607.

Statistical models

Statistical Model of Boulder Size and Fraction, Wilson Tang and Ser Tong Quek, GT Jan. 86 p79-90.

Stiffness

Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, Ricardo Dobry, George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86 p136-154.

Dynamic Response of Arbitrarily Shaped Foundations, Ricardo Dobry and George Gazetas, GT Feb. 86 p109-135.

Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, Ricardo Dobry, George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86 p136-154.

Vertical Vibration of Tapered Piles, Sudhendu Saha and D. P. Ghosh, GT Mar. 86 p290-302.

Stochastic models

Stochastic Model for Productivity Estimating, Emmanuel K. Manatakis, GT May 86 p554-563.

Storm surges

Analyzing Permanent Drift Due to Cyclic Loads, George Bouckovalas, W. Allen Marr, Jr. and John T. Christian, GT June 86 p579-593.

Strain rate

Strain Field Around Cones in Steady Penetration, Yalcin B. Acar and Mehmet T. Tumay, GT Feb. 86 p207-213.

Stress distribution

Compaction-Induced Earth Pressures Under K_o-Conditions, James M. Duncan and Raymond B. Seed, GT Jan. 86 p1-22.

FE Analyses: Compaction-Induced Stresses and Deformations, Raymond B. Seed and James M. Duncan, GT Jan. 86 p23-43.

Stress Distribution in Anisotropic Compliance of a Jointed Rock, Brian A. Chappell, GT July 86 p682-700.

Stress strain relations, soils

Permanent Strains from Cyclic Variable-Amplitude Loadings, Harry E. Stewart, GT June 86 p646-660.

Stress-strain relations, soils

Behavior of Fabric-vs. Fiber, Donald H. Gray and Talal Al-Refeai, GT Aug. 86 p804-820.

Subgrades

Bearing Capacity Tests on Reinforced Sand Subgrades, B. P. Verma and A. N. R. Char, GT July 86 p701-706.

Taper

Vertical Vibration of Tapered Piles, Sudhendu Saha and D. P. Ghosh, GT Mar. 86 p290-302.

Temperature effects

Stability Study of CRREL Permafrost Tunnel, Scott Lin Huang, Nolan B. Aughenbaugh and Ming-Chee Wu, GT Aug. 86 p777-790.

Three-dimensional analysis

Interaction Analysis of Anchor-Soil Systems, C. S. Desai, A. Muqtadir and F. Scheele, GT May 86 p537-553.

Tidal marshes

Multidimensional Probabilistic Consolidation, Daekyoo Hwang and M. W. Witczak, GT Aug. 84 p1059-1078.

Time factors

A Laboratory Study of Blast Densification of Saturated Sand, Charles H. Dowding and Roman D. Hryciw, GT Feb. 86 p187-199.

Triaxial compression

Behavior of Fabric-vs. Fiber, Donald H. Gray and Talal Al-Refeai, GT Aug. 86 p804-820.

Triaxial tests

Permanent Strains from Cyclic Variable-Amplitude Loadings, Harry E. Stewart, GT June 86 p646-660.

Piston Core Properties and Disturbance Effects, Harold W. Olsen, Thomas L. Rice, Paul W. Mayne and Ram D. Singh, GT June 86 p608-625.

A Transitional Yielding Model for Clay, Sunirmal Banerjee and Yii-Wen Pan, GT Feb. 86 p170-186.

Tunnels

Stability Study of CRREL Permafrost Tunnel, Scott Lin Huang, Nolan B. Aughenbaugh and Ming-Chee Wu, GT Aug. 86 p777-790.

Undisturbed sampling

Lessons from Oedometer Tests on High Quality Samples, R. D. Holtz, M. B. Jamiolkowski and R. Lancellotta, GT Aug. 86 p768-76.

Vibration analysis

Vertical Vibration of Tapered Piles, Sudhendu Saha and D. P. Ghosh, GT Mar. 86 p290-302.

Vibration tests

Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, Ricardo Dobry, George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86 p136-154.

Viscoelasticity

Impedances of a Soil Layer with Disturbed Boundary Zone, Anestis S. Veletsos and Kirk W. Dotson, GT Mar. 86 p363-368.

Volume change

Pattern of Volume Change Development, Kanakapura S. Subba Rao and Gifferd C. Satyadas, GT Feb. 86 p203-207.

Water content

Soil Randomly Reinforced With Fibers, Dean R. Freitag, GT Aug. 86 p823-826.

Water table

Predicting Ground-water Response to Precipitation, Dwight A. Sangrey, Kingsley O. Harrop-Williams and Jeffrey A. Klaiber, GT July 84 p957-975.

Unsteady State Phreatic Surface in Earth Dams, Yang H. Huang, GT Jan. 86 p93-98.

Wave velocity

Seismic CPT To Measure In Situ Shear Wave Velocity, P. K. Robertson, R. G. Campanella, D. Gillespie and A. Rice, GT Aug. 86 p791-803.

Author Index

Acar, Yalcin B.
Strain Field Around Cones in Steady Penetration, with Mehmet T. Tumay, GT Feb. 86, p207-213

Al-Refeai, Talal
see Gray, Donald H., GT Aug. 86, p804-820

Aughenbaugh, Nolan B.
see Huang, Scott Lin, GT Aug. 86, p777-790

Azzouz, Amr S.
Role of Load Tests in Friction Pile Design, GT Apr. 86, p407-423
Shaft Behavior of a Model Pile in Plastic Empire Clays, with David G. Lutz, GT Apr. 86, p389-406

Baligh, Mohsen M.
Consolidation After Undrained Piezocone Penetration II: Interpretation, with Jacques-Noel Levadoux, GT July 86, p727-745
see Levadoux, Jacques-Noel, GT July 86, p707-726

Banerjee, Sunirmal
A Transitional Yielding Model for Clay, with Yii-Wen Pan, GT Feb. 86, p170-186

Bazant, Zdenek P.
Creep of Anistropic Clay: Microplane Model, with Jin-Keun Kim, GT Apr. 86, p458-475

Benoit, Jean
Self-Boring Pressuremeter Tests in Soft Clay, with G. Wayne Clough, GT Jan. 86, p60-78

Blaney, Geoffrey W.
Measured Lateral Response of Mass on Single Pile in Clay, with Michael W. O'Neill, GT Apr. 86, p443-457

Bosscher, Peter J.
Soil Arching in Sandy Slopes, with Donald H. Gray, GT June 86, p626-645

Bouckovalas, George
Analyzing Permanent Drift Due to Cyclic Loads, with W. Allen Marr, Jr. and John T. Christian, GT June 86, p579-593

Camapum de Carvalho, J.
disc. (of New Procedure for Saturating Sand Specimens, by Nader S. Rad and G. Wayne Clough, GT Sept. 84, p1205-1218) with L. Domaschuk and C. Mieussens, GT Jan. 86, p101-102

Campanella, R. G.
see Robertson, P. K., GT Aug. 86, p791-803

Campbell, Alice M.
disc. (of Predicting Ground-water Response to Precipitation, by Dwight A. Sangrey, Kingsley O. Harrop-Williams and Jeffrey A. Klaiber, GT July 84, p957-975), GT Mar. 86, p381-382

Casinader, Ranji
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p217-218

Chadwick, W. L.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p218-219

Chappell, Brian A.
Stress Distribution in Anisotropic Compliance of a Jointed Rock, GT July 86, p682-700

Char, A. N. R.
see Verma, B. P., GT July 86, p701-706

Chen, Kuang-Hsiang
see Davies, Trevor G., GT Apr. 86, p479-483

Christian, John T.
see Bouckovalas, George, GT June 86, p579-593

Chu, Ming-Yau
see Kasim, Adel, GT Mar. 86, p368-372

Clough, G. Wayne
see Benoit, Jean, GT Jan. 86, p60-78
see Rad, Nader S., GT Sept. 84, p1205-1218

Cooke, J. Barry
Progress in Rockfill Dams, GT Oct. 84, p1381-1414
disc: Ranji Casinader, GT Feb. 86, p217-218
disc: W. L. Chadwick, GT Feb. 86, p218-219
disc: Claude A. Fetzer, GT Feb. 86, p219-221
disc: M. D. Fitzpatrick, GT Feb. 86, p221-222
disc: E. M. Fucik, GT Feb. 86, p223
disc: Jorge E. Hacelas and Carlos A. Ramirez, GT Feb. 86, p223-225
disc: A. Clive Houlsby, GT Feb. 86, p226-227
disc: A. Marulanda and C. S. Ospina, GT Feb. 86, p227-228
disc: Bayardo Materon, GT Feb. 86, p228-229
disc: A. H. Merritt, GT Feb. 86, p229-231
disc: N. G. K. Murti, GT Feb. 86, p231-232
disc: Ivor N. Pinkerton, GT Feb. 86, p232-234
disc: Pietro DePorcellinis, GT Feb. 86, p234-236
disc: C. F. Ripley, GT Feb. 86, p236-240
disc: James L. Sherard, GT Feb. 86, p240-241
disc: Arthur G. Strassburger, GT Feb. 86, p242-245
disc: William F. Swiger, GT Feb. 86, p245-247
disc: H. Taylor, GT Feb. 86, p247-249
clo: GT Feb. 86, p249-253

Daniel, David E.
see Foreman, David E., GT July 86, p669-681

Davies, Trevor G.
Passive Pressure During Seismic Loading, with Rowland Richards, Jr. and Kuang-Hsiang Chen, GT Apr. 86, p479-483

Davis, Raymond E.
see Roschke, Paul N., GT Aug. 86, p749-767

Dent, J. D.
see Trunk, J. D., GT Mar. 86, p348-360

DePorcellinis, Pietro
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p234-236

Desai, C. S.
Interaction Analysis of Anchor-Soil Systems, with A. Muqtadir and F. Scheele, GT May 86, p537-553

Dessouki, A. K.
Effect of Soil Failure on Soil–Steel Structures, with G. R. Monforton, GT May 86, p522-536

Dobry, Ricardo
Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, with George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86, p136-154
Dynamic Response of Arbitrarily Shaped Foundations, with George Gazetas, GT Feb. 86, p109-135
err: GT July 86, p747
Dynamic Response of Arbitrarily Shaped Foundations: Experimental Verification, with George Gazetas and Kenneth H. Stokoe, II, GT Feb. 86, p136-154
err: GT July 86, p748

Domaschuk, L.
see Camapum de Carvalho, J., (disc), GT Jan. 86, p101-102

Donaghe, R. T.
disc. (of New Procedure for Saturating Sand Specimens, by Nader S. Rad and G. Wayne Clough, GT Sept. 84, p1205-1218) with P. A. Gilbert and W. F. Marcuson, III., GT Jan. 86, p103-105

Dotson, Kirk W.
see Veletsos, Anestis S., GT Mar. 86, p363-368

Dowding, Charles H.
A Laboratory Study of Blast Densification of Saturated Sand, with Roman D. Hryciw, GT Feb. 86, p187-199

Duncan, James M.
Compaction-Induced Earth Pressures Under K_o-Conditions, with Raymond B. Seed, GT Jan. 86, p1-22
see Seed, Raymond B., GT Jan. 86, p23-43

Edwards, Brian D.
see Lee, Homa J., GT May 86, p489-509

Fang, Yung-Show
Static Earth Pressures With Various Wall Movements, with Isao Ishibashi, GT Mar. 86, p317-333

Fetzer, Claude A.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p219-221

Fitzpatrick, M. D.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p221-222

Foreman, David E.
Permeation of Compacted Clay with Organic Chemicals, with David E. Daniel, GT July 86, p669-681

Fragaszy, Richard J.
Undrained Compression Behavior of Sand, with Michael E. Voss, GT Mar. 86, p334-347

Freitag, Dean R.
Soil Randomly Reinforced With Fibers, GT Aug. 86, p823-826

Fucik, E. M.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p223

Gazetas, George
see Dobry, Ricardo, GT Feb. 86, p136-154
see Dobry, Ricardo, GT Feb. 86, p109-135
see Dobry, Ricardo, GT Feb. 86, p136-154

Ghosh, D. P.
see Saha, Sudhendu, GT Mar. 86, p290-302

Gilbert, P. A.
see Donaghe, R. T., (disc), GT Jan. 86, p103-105

Gillespie, D.
see Robertson, P. K., GT Aug. 86, p791-803

Gray, Donald H.
Behavior of Fabric-vs. Fiber, with Talal Al-Refeai, GT Aug. 86, p804-820
see Bosscher, Peter J., GT June 86, p626-645

Haceles, Jorge E.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414) with Carlos A. Ramirez, GT Feb. 86, p223-225

Harris, M. C.
see Sharma, Hari D., GT Dec. 86, p1101-1116

Harrop-Williams, Kingsley O.
see Sangrey, Dwight A., GT July 84, p957-975

Holtz, R. D.
Lessons from Oedometer Tests on High Quality Samples, with M. B. Jamiolkowski and R. Lancellotta, GT Aug. 86, p768-76

Hoshiya, Masaru
Linearized Liquefaction Process by Kalman Filter, with Etsuro Saito, GT Feb. 86, p155-169

Houlsby, A. Clive
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p226-227

Hryciw, Roman D.
see Dowding, Charles H., GT Feb. 86, p187-199

Huang, Scott Lin
Stability Study of CRREL Permafrost Tunnel, with Nolan B. Aughenbaugh and Ming-Chee Wu, GT Aug. 86, p777-790

Huang, Yang H.
Unsteady State Phreatic Surface in Earth Dams, GT Jan. 86, p93-98

Humphrey, D. N.
Slide in Upstream Slope of Lake Shelbyville Dam, with G. A. Leonards, GT May 86, p564-577

Hwang, Daekyoo
Multidimensional Probabilistic Consolidation, with M. W. Witczak, GT Aug. 84, p1059-1078
disc: Joel W. Massman, GT Mar. 86, p385-388

Ishibashi, Isao
see Fang, Yung-Show, GT Mar. 86, p317-333

Jamiolkowski, M. B.
see Holtz, R. D., GT Aug. 86, p768-76

Jensen, Curtis N.
see Kasim, Adel, GT Mar. 86, p368-372

Kasim, Adel
Field Correlation of Cone and Standard Penetration Tests, with Ming-Yau Chu and Curtis N. Jensen, GT Mar. 86, p368-372

Kim, Jin-Keun
see Bazant, Zdenek P., GT Apr. 86, p458-475

Klaiber, Jeffrey A.
see Sangrey, Dwight A., GT July 84, p957-975

Lancellotta, R.
see Holtz, R. D., GT Aug. 86, p768-76

Lang, T. E.
see Trunk, J. D., GT Mar. 86, p348-360

Lee, Hoona J.
Regional Method to Assess Offshore Slope Stability, with Brian D. Edwards, GT May 86, p489-509

Leonards, G. A.
see Humphrey, D. N., GT May 86, p564-577

Levadoux, Jacques-Noel
Consolidation After Undrained Piezocone Penetration I: Prediction, with Mohsen M. Baligh, GT July 86, p707-726
see Baligh, Mohsen M., GT July 86, p727-745

Liao, Samson
Overburden Correction Factors for SPT in Sand, with Robert V. Whitman, GT Mar. 86, p373-377

Lin, Jeen-Shang
Earthquake Induced Displacements of Sliding Blocks, with Robert V. Whitman, GT Jan. 86, p44-59

Lutenegger, Alan J.
Dynamic Compaction in Friable Loess, GT June 86, p663-667

Lutz, David G.
see Azzouz, Amr S., GT Apr. 86, p389-406

McAllister, K.W.
see Sharma, Hari D., GT Dec. 86, p1101-1116

McVay, Michael
Long-Term Behavior of Buried Large-Span Culverts, with Panayiotis Papadopoulos, GT Apr. 86, p424-442

Manatakis, Emmanuel K.
Stochastic Model for Productivity Estimating, GT May 86, p554-563

Marcuson, W. F., III.
see Donaghe, R. T., (disc), GT Jan. 86, p103-105

Marr, W. Allen, Jr.
see Bouckovalas, George, GT June 86, p579-593

Marulanda, A.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414) with C. S. Ospina, GT Feb. 86, p227-228

Massman, Joel W.
disc. (of Multidimensional Probabilistic Consolidation, by Daekyoo Hwang and M. W. Witczak, GT Aug. 84, p1059-1078), GT Mar. 86, p385-388

Materon, Bayardo
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p228-229

Matheson, Gordon M.
Relationship Between Compacted Rockfill Density and Gradation, GT Dec. 86, p1119-1124

Mayne, Paul W.
see Olsen, Harold W., GT June 86, p608-625

Merritt, A. H.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p229-231

Mieussens, C.
see Camapum de Carvalho, J., (disc), GT Jan. 86, p101-102

Mitchell, James K.
Practical Problems from Surprising Soil Behavior, GT Mar. 86, p255-289

Monforton, G. R.
see Dessouki, A. K., GT May 86, p522-536

Muqtadir, A.
see Desai, C. S., GT May 86, p537-553

Murthy, B. R. Srinivasa
see Nagaraj, T. S., GT Apr. 86, p484-488

Murti, N. G. K.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p231-232

Nagaraj, T. S.
Prediction of Compressibility of Overconsolidated Uncemented Soils, with B. R. Srinivasa Murthy, GT Apr. 86, p484-488

Nene, A. S.
see Saran, Swami, GT Dec. 86, p1084-1100

Olsen, Harold W.
Piston Core Properties and Disturbance Effects, with Thomas L. Rice, Paul W. Mayne and Ram D. Singh, GT June 86, p608-625

O'Neill, Michael W.
see Blaney, Geoffrey W., GT Apr. 86, p443-457

Osellame, John
see Solymar, Zoltan V., GT Dec. 86, p1069-1083

Ospina, C. S.
see Marulanda, A., (disc), GT Feb. 86, p227-228

Pan, Yii-Wen
see Banerjee, Sunirmal, GT Feb. 86, p170-186

Papadopoulos, Panayiotis
see McVay, Michael, GT Apr. 86, p424-442

Pinkerton, Ivor N.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p232-234

Poulos, Harry G.
see Redmand, Peter G., GT Sept. 84, p1307-1321

Purnomo, Basuki Joko
see Solymar, Zoltan V., GT Dec. 86, p1069-1083

Quek, Ser Tong
see Tang, Wilson, GT Jan. 86, p79-90

Rad, Nader S.
New Procedure for Saturating Sand Specimens, with G. Wayne Clough, GT Sept. 84, p1205-1218
disc: J. Camapum de Carvalho, L. Domaschuk and C. Mieussens, GT Jan. 86, p101-102
disc: R. T. Donaghe, P. A. Gilbert and W. F. Marcuson, III., GT Jan. 86, p103-105
clo: GT Jan. 86, p105-106

Ramirez, Carlos A.
see Hacelas, Jorge E., (disc), GT Feb. 86, p223-225

Ranjan, Gopal
see Saran, Swami, GT Dec. 86, p1084-1100

Redmond, Peter G.
Study of Two Field Cases Involving Undrained Creep, with Harry G. Poulos, GT Sept. 84, p1307-1321
disc: Leonard K. Walker, GT Jan. 86, p107
clo: GT Jan. 86, p107-108

Rice, A.
see Robertson, P. K., GT Aug. 86, p791-803

Rice, Thomas L.
see Olsen, Harold W., GT June 86, p608-625

Richards, Rowland, Jr.
see Davies, Trevor G., GT Apr. 86, p479-483

Ripley, C. F.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p236-240

Robertson, P. K.
Seismic CPT To Measure In Situ Shear Wave Velocity, with R. G. Campanella, D. Gillespie and A. Rice, GT Aug. 86, p791-803

Roscoke, Paul N.
Rigid Culvert Finite Element Analyses, with Raymond E. Davis, GT Aug. 86, p749-767

Ruiz, Sonia E.
Uncertainty About p-y Curves for Piles in Soft Clays, GT June 86, p594-607

Saha, Sudhendu
Vertical Vibration of Tapered Piles, with D. P. Ghosh, GT Mar. 86, p290-302

Saito, Etsuro
see Hoshiya, Masaru, GT Feb. 86, p155-169

Salem, Abdul Rehman Kh.
Earth Dam Construction by Dolomite Filled Into Water, GT May 86, p510-521

Samsudin
see Solymar, Zoltan V., GT Dec. 86, p1069-1083

Sangrey, Dwight A.
Predicting Ground-water Response to Precipitation, with Kingsley O. Harrop-Williams and Jeffrey A. Klaiber, GT July 84, p957-975
disc: Alice M. Campbell, GT Mar. 86, p381-382
disc: Ben Chie Yen, GT Mar. 86, p382-385

Saran, Swami
Soil Anchors and Constitutive Laws, with Gopal Ranjan and A. S. Nene, GT Dec. 86, p1084-1100

Satyadas, Gifferd C.
see Subba Rao, Kanakapura S., GT Feb. 86, p203-207

Scheele, F.
see Desai, C. S., GT May 86, p537-553

Scott, J.D.
see Sharma, Hari D., GT Dec. 86, p1101-1116

Seed, Raymond B.
FE Analyses: Compaction-Induced Stresses and Deformations, with James M. Duncan, GT Jan. 86, p23-43
see Duncan, James M., GT Jan. 86, p1-22

Sharma, Hari D.
Bearing Capacity of Bored Cast-in-Place Concrete Piles on Oil Sand, with M. C. Harris, J.D. Scott and K.W. McAllister, GT Dec. 86, p1101-1116

Sherard, James L.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p240-241

Singh, Ram D.
see Olsen, Harold W., GT June 86, p608-625

Solymar, Zoltan V.
Ground Improvement by Compaction Piling, with Samsudin, John Osellame and Basuki Joko Purnomo, GT Dec. 86, p1069-1083

Stewart, Harry E.
Permanent Strains from Cyclic Variable-Amplitude Loadings, GT June 86, p646-660

Stokoe, Kenneth H., II
see Dobry, Ricardo, GT Feb. 86, p136-154

Strassburger, Arthur G.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p242-245

Subba Rao, Kanakapura S.
Pattern of Volume Change Development, with Gifferd C. Satyadas, GT Feb. 86, p203-207

Swiger, William F.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p245-247

Tang, Wilson
Statistical Model of Boulder Size and Fraction, with Ser Tong Quek, GT Jan. 86, p79-90

Taylor, H.
disc. (of Progress in Rockfill Dams, by J. Barry Cooke, GT Oct. 84, p1381-1414), GT Feb. 86, p247-249

Trunk, J. D.
Computer Modeling of Large Rock Slides, with J. D. Dent and T. E. Lang, GT Mar. 86, p348-360

Tumay, Mehmet T.
see Acar, Yalcin B., GT Feb. 86, p207-213

Ucar, Roberto
Determination of the Shear Failure Envelope in Rock Masses, GT Mar. 86, p303-315

Veletsos, Anestis S.
Impedances of a Soil Layer with Disturbed Boundary Zone, with Kirk W. Dotson, GT Mar. 86, p363-368

Verma, B. P.
Bearing Capacity Tests on Reinforced Sand Subgrades, with A. N. R. Char, GT July 86, p701-706

Voss, Michael E.
see Fragaszy, Richard J., GT Mar. 86, p334-347

Walker, Leonard K.
disc. (of Study of Two Field Cases Involving Undrained Creep, by Peter G. Redmand and Harry G. Poulos, GT Sept. 84, p1307-1321), GT Jan. 86, p107

Whitman, Robert V.
see Liao, Samson, GT Mar. 86, p373-377
see Lin, Jeen-Shang, GT Jan. 86, p44-59

Witczak, M. W.
see Hwang, Daekyoo, GT Aug. 84, p1059-1078

Wu, Ming-Chee
see Huang, Scott Lin, GT Aug. 86, p777-790

Yen, Ben Chie
disc. (of Predicting Ground-water Response to Precipitation, by Dwight A. Sangrey, Kingsley O. Harrop-Williams and Jeffrey A. Klaiber, GT July 84, p957-975), GT Mar. 86, p382-385